

## WHAT IS CLAIMED IS:

 A method of treating patients suffering from allergic fungal sinusitis comprising administering intranasally to said patients an effective amount of liquid composition containing a compound of the formula

or a pharmaceutically acceptable salt,

and a pharmaceutically acceptable liquid carrier, said composition being intranasally administered to deliver an effective amount of said compound to treat said sinusitis.

- 2. The method of claim 2 wherein said compound is administered to a patient at a daily dosage of from about 0.03 mg. to 10 mg.
- 3. The method of claim 2 wherein said dose is from about 0.3 mg. to about 1.8 mg. per day.
- 4. A method of treating patients suffering from allergic fungal sinusitis comprising administering intranasally to said patents an effective amount of liquid composition containing a compound of the formula.

and a pharmaceutically acceptable liquid carrier, said composition being administered to deliver an effective amount of said compound intranasally to treat said sinusitis.

- 5. The method of claim 4 wherein said compound is administered to a patient at a daily dosage of from about 0.03 mg. to 10 mg.
- 6. The method of claim 5 wherein said dose is from about 0.3 mg. to about 1.8 mg. per day.
- 7. A method for treating a patient suffering from a disease state which is sinusitis, allergic rhinitis or asthma who is non-responsive to conventional treatments for these disease states comprising administering intranasally to said patients an effective amount of liquid composition containing a compound of the formula

or a pharmaceutically acceptable salt,

and a pharmaceutically acceptable liquid carrier, said composition being administered to deliver an effective amount of said inhibitor intranasally to treat said sinusitis.

- 8. The method of claim 7 wherein said compound is administered to a patient at a daily dosage of from about 0.03 mg. to 10 mg.
- 9. The method of claim 8 wherein said dose is from about 0.3 mg. to about 1.8 mg. per day.



10. A method for treating a patient suffering from a disease state which is sinusitis, allergic rhinitis or asthma who is non-responsive to conventional treatments for these disease states comprising administering intranasally to said patients an effective amount of liquid composition containing a compound of the formula.

$$(CH_2)_4$$

$$N$$

$$N$$

$$N$$

$$N$$

$$N$$

$$N$$

$$N$$

$$N$$

$$N$$

or a pharmaceutically acceptable salt,

and a pharmaceutically acceptable liquid carrier, said composition being administered to deliver an effective amount of said inhibitor intranasally to treat said sinusitis.

- 11. The method of claim 10 wherein said compound is administered to a patient at a daily dosage of from about 0.03 mg. to 10 mg.
- 12. The method of claim 11 wherein said dose is from about 0.3 mg. to about 1.8 mg. per day.
- 13. An intranasal spray comprising a liquid composition containing from 0.01 mg. to 10 mg. per ml. of a compound having the formula

or a pharmaceutically acceptable salt thereof



and a liquid pharmaceutically acceptable carrier, said composition being in a form suitable to supply said compound intranasally to a patient as a spray in a daily amount of from 0.03 to 10 mg.

- 14. The spray of claim 13 wherein said carrier is saline.
- 15. The spray of claim 14 wherein said compound is present in an amount of from 0.3 to 6.0 mg. per ml. of the composition.
- 16. The spray of claim 13 wherein the composition is present in an amount to supply from 50 to 120 sprays to the patient.
- 17. An intranasal spray comprising a liquid composition containing from 0.01 mg. 10 mg. per ml. of a compound having the formula

and a liquid pharmaceutically acceptable carrier, said composition being in a form suitable to supply through intranasal delivery said compound to a patient as a spray in a daily amount of from 0.03 to 10 mg.

- 18. The spray of claim 17 wherein said carrier is saline.
- 19. The spray of claim 18 wherein said compound is present in an amount of from 0.3 to 6 mg. per ml. of the composition.
- 20. The spray of claim 17 wherein the composition is present in an amount to supply from 50 to 120 sprays to the patient.